INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2004/001714

Α.	CLASSIFICATION	OF SURIECT	MATTER
<i>-</i> 7	CEMBER 1CALLED	or orbitel	WIALLER

IPC7: F28D 9/00, F28F 3/08, F28F 9/22
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F28D, F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

<u>EPO-INTERNAL, WPI DATA, PAJ</u>

C.	DOCUMENTS	CONSIDERED	TO	RE DELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
D,A	US 6305466 B1 (ANDERSSON ET AL), 23 October 2001 (23.10.2001)	
A	WO 9414021 A1 (MULTISTACK INTERNATIONAL LIMITED), 23 June 1994 (23.06.1994)	
İ		
A	US 5988269 A (KARLSSON ET AL), 23 November 1999 (23.11.1999)	
		
A	DE 9405012 U1 (VOLKSWAGEN AG), 19 May 1994 (19.05.1994)	
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X	Furthe	r documents	are	listed	in	the	continuation	of	Box	C.
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See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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Date of the actual completion of the international search Date of mailing of the international search report 28 February 2005 4 1 -05- 2265 Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Annette Riedel / JA A Facsimile No. + 46 8 666 02 86 Telephone No. +46 8 782 25 00

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001714

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Rele A W0 9930099 A1 (VAHTERUS OY), 17 June 1999 (17.06.1999) A W0 031896 03 (VAHTERUS OY), 17 April 2003 (17.04.2003) A W0 03006911 A1 (ALFA LAVAL CORPORATE AB), 23 January 2003 (23.01.2003)	evant to claim No
A WO 9930099 A1 (VAHTERUS OY), 17 June 1999 (17.06.1999) A WO 031896 03 (VAHTERUS OY), 17 April 2003 (17.04.2003) A WO 03006911 A1 (ALFA LAVAL CORPORATE AB),	evant to claim No
A WO 031896 03 (VAHTERUS OY), 17 April 2003 (17.04.2003) A WO 03006911 A1 (ALFA LAVAL CORPORATE AB),	
(17.04.2003) A WO 03006911 A1 (ALFA LAVAL CORPORATE AB).	
A WO 03006911 A1 (ALFA LAVAL CORPORATE AB), 23 January 2003 (23.01.2003)	
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INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2004/001714

AU 739681 B 18/10/21 AU 3178199 A 27/09/11 AU 3755298 A 24/11/15 CN 1130541 B,C 10/12/21 CN 1297524 T 30/05/22 CDE 69901548 D,T 05/12/21 DK 1062472 T 22/07/22 EP 0981708 A 01/03/21 EP 1062472 A,B 27/12/22 ES 2175595 T 16/11/2 JP 2002506196 T 26/02/2 PT 1062472 T 30/09/21 SE 9800783 A 88/02/11 SE 9800783 A 16/09/11 AU 2839500 A 25/08/21 EP 1157172 A 28/11/2 JP 2002536615 T 29/10/2 SE 9900359 D 00/00/00 W0 0046457 A 10/08/21 W0 9414021 A1 23/06/1994 AU 686582 B 12/02/11 CN 1065624 B,C 09/05/21 CN 1094156 A 26/10/11 CN 1065624 B,C 09/05/21 CN 1094156 A 26/10/11 EP 0670988 A 13/09/11 IL 107850 D 00/00/01 JP 8504027 T 30/04/11 EP 0670988 A 13/09/11 IL 107850 D 00/00/01 JP 8504027 T 30/04/11 EP 0670988 A 13/09/11 AU 707014 B 01/07/11 AU 7354696 A 15/05/12 ZA 9309173 A 08/08/11 ED 69614402 D,T 15/08/21 DK 857288 T 01/10/25 EP 0857288 T 01/10/26 EP 0857288 T 01/11/26 JP 11513785 T 24/11/12 SE 504868 C 20/05/11 EN 59503709 A 24/04/15 SE 9503709 A 24/04/15 SE 9503709 A 24/04/15							
AU 739681 B 18/10/21 AU 3178199 A 27/09/11 AU 7355298 A 24/11/15 CN 1130541 B, C 10/12/21 CN 1297524 T, 30/05/21 DE 69901548 D, T 05/12/21 DK 1062472 T 22/07/22 EP 0981708 A 01/03/21 EP 1062472 A, B 27/12/21 ES 2175959 T 16/11/2 JP 2002506196 T 26/02/2 PT 1062472 T 30/09/21 SE 5980783 A 08/02/15 SE 9800783 A 08/02/15 SE 9900359 D 00/00/01 AU 2839500 A 25/08/21 EP 1157172 A 28/11/2 JP 2002536615 T 29/10/2 SE 9900359 D 00/00/01 WO 0046457 A 10/08/21 CA 2151129 A 23/06/19 CN 1064524 B, C 09/05/21 CN 1094156 A 26/10/15 CN 1065624 B, C 09/05/21 CN 1094156 A 26/10/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 JP 8504027 T 30/04/15 EP 0670988 A 13/09/15 IL 107850 D 00/00/01 EP 0670988 A 13/09/15							
AU 5619594 A 04/07/19 CA 2151129 A 23/06/19 CN 1065624 B,C 09/05/20 CN 1094156 A 26/10/19 EP 0670988 A 13/09/19 IL 107850 D 00/00/00 JP 8504027 T 30/04/19 MX 9307692 A 30/06/19 PT 101421 A 04/05/19 ZA 9309173 A 08/08/19 US 5988269 A 23/11/1999 AT 204069 T 15/08/20 AU 707014 B 01/07/19 AU 7354696 A 15/05/19 DE 69614402 D,T 29/05/20 DK 857288 T 01/10/20 EP 0857288 A,B 12/08/19 ES 2160259 T 01/11/20 JP 11513785 T 24/11/19 PT 857288 T 28/12/20 SE 504868 C 20/05/19 SE 9503709 A 24/04/19 WO 9715798 A 01/05/19	US	6305466	B1	23/10/2001	AU AU CN CDE EP EP SE WO EP SE JP SE	739681 B 3178199 A 7355298 A 1130541 B,C 1297524 T 69901548 D,T 1062472 T 0981708 A 1062472 A,B 2175959 T 2002506196 T 1062472 T 509579 C 9800783 A 6308930 B 9946550 A 2839500 A 1157172 A 2002536615 T 9900359 D	15/06/2002 18/10/2001 27/09/1999 24/11/1998 10/12/2003 30/05/2001 05/12/2002 22/07/2002 01/03/2000 27/12/2000 16/11/2002 26/02/2002 30/09/2002 08/02/1999 08/02/1999 30/10/2001 16/09/1999 25/08/2000 28/11/2001 29/10/2002 00/00/0000 10/08/2000
AU 707014 B 01/07/19 AU 7354696 A 15/05/19 DE 69614402 D,T 29/05/20 DK 857288 T 01/10/20 EP 0857288 A,B 12/08/19 ES 2160259 T 01/11/20 JP 11513785 T 24/11/19 PT 857288 T 28/12/20 SE 504868 C 20/05/19 SE 9503709 A 24/04/19 WO 9715798 A 01/05/19	WO	9414021	A1	23/06/1994	AU CA CN CN EP IL JP MX PT	5619594 A 2151129 A 1065624 B,C 1094156 A 0670988 A 107850 D 8504027 T 9307692 A 101421 A	12/02/1998 04/07/1994 23/06/1994 09/05/2001 26/10/1994 13/09/1995 00/00/0000 30/04/1996 30/06/1994 04/05/1995 08/08/1994
	US	5988269	A	23/11/1999	AU DE DK EP ES JP PT SE WO SE	707014 B 7354696 A 69614402 D,T 857288 T 0857288 A,B 2160259 T 11513785 T 857288 T 504868 C 9503709 A 9715798 A 508690 C	15/08/2001 01/07/1999 15/05/1997 29/05/2002 01/10/2001 12/08/1998 01/11/2001 24/11/1999 28/12/2001 20/05/1997 24/04/1997 01/05/1997 26/10/1998 11/10/1997
DE 9405012 U1 19/05/1994 NONE	DE	9405012	U1	19/05/1994	NONE		

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WO	9930099	A1	17/06/1999	AU EP FI FI	1489599 / 1038147 / 109148 E 974476 /	27/09/2000 00/00/0000
WO	031896	03	17/04/2003	NONE		
WO .	03006911	A1	23/01/2003	SE SE	1293602 / 1332627 / 1405022 / 2004522931 1 519570 (0102451 / 0040206487 /	06/08/2003 07/04/2004 29/07/2004 11/03/2003 10/01/2003